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Committee on the Peaceful Uses of Outer Space

Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

Note verbale dated 2 December 2013 from the Permanent Mission of Japan to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of Japan to the United Nations (Vienna), in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit information, including changes of status, on space objects launched by Japan (see annex).

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Annex

Registration data, including changes of status, on space objects launched by Japan*

Raiko

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator:	2012-038B
Name:	Raiko
National designator:	2012-038B
State of registry:	Japan
Date and territory or location of launch	
Date of launch:	4 October 2012 14:37 hrs UTC
Territory or location of launch:	International Space Station (ISS)
Basic orbital parameters	
Nodal period:	92 minutes
Inclination:	51.6 degrees
Apogee:	400 kilometres
Perigee:	400 kilometres
General function of space object:	1. Earth imaging using a fish-eye camera.
	2. Using the camera to measure relative motion of ISS upon satellite release.
	3. Space demonstration of a star sensor.
	4. De-orbit experiment using a deployable membrane.
	5. Serve as a mobile Earth station for small satellites and provide reception to the international community.
	6. Orbit determination using Doppler frequency measurement of Ku-band radio beacons.
	7. High-speed data communication by Ku-band transmitter.

* The information was submitted using the form prepared pursuant to General Assembly resolution 62/101 and has been reformatted by the Secretariat.

Date of decay/re-entry/deorbit:	6 August 2013 UTC

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator:	Wakayama University and Tohoku University
Other information:	Date of launch is date of deployment from the International Space Station

FITSAT-1 (Niwaka)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator:	2012-038C
Name:	FITSAT-1 (Niwaka)
National designator:	2012-038C
State of registry:	Japan
Date and territory or location of launch	
Date of launch:	4 October 2012 14:37 hrs UTC
Territory or location of launch:	International Space Station
Basic orbital parameters	
Nodal period:	92.9 minutes
Inclination:	51.6 degrees
Apogee:	400 kilometres
Perigee:	400 kilometres
General function of space object:	1. High-speed data transmission (115.2 kbps) using 5.84 GHz. 2. Flashing high-power light-emitting diodes (LEDs) for optical communications.
Date of decay/re-entry/deorbit:	4 July 2013 UTC

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator:	Fukuoka Institute of Technology
Other information:	Date of launch is date of deployment from the International Space Station

We Wish

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator:	2012-038F
Name:	We Wish
National designator:	2012-038F
State of registry:	Japan
Date and territory or location of launch	
Date of launch:	4 October 2012 14:37 hrs UTC
Territory or location of launch:	International Space Station
Basic orbital parameters	
Nodal period:	92.8 minutes
Inclination:	51.6 degrees
Apogee:	320 kilometres
Perigee:	312 kilometres
General function of space object:	The satellite's mission is to observe the thermal distribution of the Earth's surface.
Date of decay/re-entry/deorbit:	11 March 2013 UTC

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator:	Meisei Electric Company Ltd.
Other information:	Date of launch is date of deployment from the International Space Station

H-II Transfer Vehicle "Kounotori4" (HTV4)

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator:	2013-040A
Name:	H-II Transfer Vehicle "Kounotori4" (HTV4)
National designator:	2013-040A
State of registry:	Japan

Date and territory or location of launch

Date of launch:	3 August 2013 19:48 hrs 46 sec UTC
Territory or location of launch:	Tanegashima Space Centre, Kagoshima, Japan

Basic orbital parameters

Nodal period:	92.9 minutes
Inclination:	51.6 degrees
Apogee:	419.1 kilometres
Perigee:	411.4 kilometres

General function of space object:	HTV4 is an unmanned resupply vehicle to transport various forms of cargo, including research materials, replacement equipment and daily commodities to the International Space Station (ISS).
Date of decay/re-entry/deorbit:	7 September 2013 UTC

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator:	Japan Aerospace Exploration Agency
Launch vehicle:	H-IIB Launch Vehicle Flight No. 4 (H-IIB 4F)
Other information:	Basic orbital parameters are as at 9 August 2013. After delivering its cargo to ISS, HTV4 unberthed from the space station and made a controlled re-entry into the Earth's atmosphere. Launching organizations are Mitsubishi Heavy Industries, Ltd. and Japan Aerospace Exploration Agency.

SPRINT-A "Hisaki"

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator:	2013-049A

Name:	Spectroscopic Planet Observatory for Recognition of Interaction of Atmosphere (SPRINT-A) "Hisaki"
National designator:	2013-049A
State of registry:	Japan
Date and territory or location of launch	
Date of launch:	14 September 2013 05:00 hrs UTC
Territory or location of launch:	Uchinoura Space Center, Kagoshima, Japan
Basic orbital parameters	
Nodal period:	106.2 minutes
Inclination:	29.7 degrees
Apogee:	1,156.8 kilometres
Perigee:	946.8 kilometres
General function of space object:	Space telescope for remote observation of planets such as Venus, Mars and Jupiter from Earth orbit. SPRINT-A will observe Jupiter's Io torus and planetary exospheric escape via extreme ultraviolet spectroscopy.

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator:	Japan Aerospace Exploration Agency
Launch vehicle:	Epsilon Launch Vehicle (Epsilon-1)
Other information:	Basic orbital parameters are as at 15 September 2013. Launching organization is Japan Aerospace Exploration Agency.

BSAT-3c

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator:	2011-041B
Name:	BSAT-3c
National designator:	2011-041B
State of registry:	Japan

Other launching States:	France
Date and territory or location of launch	
Date of launch:	6 August 2011 22:52 hrs 30 sec UTC
Territory or location of launch:	Kourou, French Guiana
Basic orbital parameters	
Nodal period:	1, 436.11 minutes
Inclination:	0.02 degrees
Apogee:	35,788 kilometres
Perigee:	35,785 kilometres
General function of space object:	Domestic direct broadcast service

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Geostationary position:	110 degrees East
Space object owner or operator:	Broadcasting Satellite System Corporation
Launch vehicle:	Ariane 5
Other information:	Launching organization is Arianespace

SUPERBIRD A

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator:	1989-041A
Name:	SUPERBIRD A
National designator:	1989-041A
State of registry:	Japan
Other launching States:	France
Date and territory or location of launch	
Date of launch:	5 June 1989 22:37 hrs UTC
Territory or location of launch:	Kourou, French Guiana
General function of space object:	Satellite telecommunications
Date of decay/re-entry/deorbit:	7 February 1991 11:00 hrs UTC

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Physical conditions when space object is moved to a disposal orbit:	The space object was moved into a disposal orbit above the geostationary satellite orbit region.
Space object owner or operator:	Space Communications Corporation
Launch vehicle:	Ariane 44L
Other information:	Launching organization is Arianespace

JCSAT-13

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator:	2012-023A
Name:	JCSAT-13
National designator:	2012-023A
State of registry:	Japan
Other launching States:	France
Date and territory or location of launch	
Date of launch:	15 May 2012 22:13 hrs UTC
Territory or location of launch:	Kourou, French Guiana
Basic orbital parameters	
Nodal period:	1, 440 minutes
Inclination:	0.065 degrees
Apogee:	35,797 kilometres
Perigee:	35,775 kilometres
General function of space object:	Satellite telecommunications and broadcasting

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Geostationary position:	124 degrees East
Space object owner or operator:	SKY Perfect JSAT Corporation
Launch vehicle:	Ariane 5 ECA
Other information:	Launching organization is Arianespace